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Recommendations

Faculty Senate

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4-15-2016

SR-15-16-36 CC

Marshall University

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## CURRICULUM COMMITTEE RECOMMENDATION

### SR-15-16-36 CC

**NOTE:** The curricular form for each item listed may be accessed at [www.marshall.edu/senate/ucc](http://www.marshall.edu/senate/ucc). Click the UCC Agendas/Minutes link; click the link for the March 11, 2016 meeting date; click the link in the Description column to open a particular item.

**Recommends approval of the listed UNDERGRADUATE COURSE ADDITIONS in the following colleges and/or schools/program: COLLEGE OF ARTS & MEDIA, COLLEGE OF EDUCATION & PROFESSIONAL DEVELOPMENT, COLLEGE OF LIBERAL ARTS, and COLLEGE OF SCIENCE.**

- **COLLEGE OF ARTS & MEDIA:**

- \*Course Title to be added: Portfolio Review      AM 299      0 credit hours
- \*Catalog Description: Students present work from major courses for review by video production teaching faculty. Successful completion of 299 is a prerequisite for advancing to additional course work in the major.
- \*Prerequisite(s): None
  
- \*Course Title to be added: Video Internship      AM 490      1-3 credit hours
- \*Catalog Description: For juniors and seniors to gain experience working with industry professionals, to be exposed to, understand, and work toward real deadlines, practice professionalism, and start networking to find a career.
- \*Prerequisite(s): None
  
- \*Course Title to be added: Senior Pre-Capstone      AM 498      3 credit hours
- \*Catalog Description: A preparatory class for AM 499. Students will conceive, plan and start production of a culminating senior video project.
- \*Prerequisite(s): ART 454, JMC 432
  
- \*Course Title to be added: Senior Capstone Project      AM 499      3 credit hours
- \*Catalog Description: A discipline-based experience combining video production capabilities and a range of knowledge outside the field resulting in a culminating senior video project.
- \*Prerequisite(s): AM 498
  
- \*Course Title to be added: Music Internship      MUS 495      1-4 credit hours
- \*Catalog Description: Practical synthesis and application of knowledge and skills gained during the student's course of study.
- \*Prerequisite(s): MUS 376: Junior Recital

- **COLLEGE OF EDUCATION & PROFESSIONAL DEVELOPMENT:**

- \*Course Title to be Added: Intro to Science Elem Ed      CI 248      3 credit hours

\*Catalog Description: Introduction to teaching science in elementary schools, emphasizing inquiry-based learning practices and effective research-based teaching strategies. Activities include seminars, discussions and experimentation using learning modules targeting Earth and Space.

\*Prerequisite(s): MTH 127/130

\*Course Title to be added: Ed Psych Developing Learner      EDF 201      3 credit hours

\*Catalog Description: A study of the psychological principles for learning and teaching based on children's emotional, social, cognitive, and physical development.

\*Co-requisite(s): EDF 270

\*Prerequisite(s): None

- **COLLEGE OF LIBERAL ARTS:**

\*Course Title to be added: Senior Capstone I      GEO 498      2 credit hours

\*Catalog Description: This senior capstone course combines research methods, data collection, and analysis to produce original research on questions and problems in Geography. Part I: Pilot Project.

\*Prerequisite(s): GEO426, and (GEO440, MTH225, MGT218, PSY223, SOC345, ANT301, or EDF417)

- **COLLEGE OF SCIENCE:**

\*Course Title to be added: Web Programming II      CIT 313      3 credit hours

\*Catalog Description: The second semester of a two course sequence on Web programming. This course focuses on server-side programming and databases. Topics covered include PHP, MySQL, web services, and security.

\*Prerequisite(s): CIT 263

\*Course Title to be added: iOS Development      CIT 413      3 credit hours

\*Catalog Description: Students will learn to develop iOS applications using HTML5/PhoneGap, Objective-C, and Swift, using Apple and third-party SDKs. Also covers basic concepts for designing intuitive and usable user-interfaces.

\*Prerequisite(s): CIT 265 or permission

\*Course Title to be added: Android Development      CIT 414      3 credit hours

\*Catalog Description: Students will learn to develop Android applications using Java and the Android SDK. Course covers user interfaces, audio integration, SQLite databases, location services, sensors, and custom graphics.

\*Prerequisite(s): CIT 265 or permission

\*Course Title to be added: 3D Modeling and Animation      CIT 446      3 credit hours

\*Catalog Description: Covers 3D modeling to create environments and character animation. Explores 3D forms within sculpture, architecture, animation and games. Includes development of simplifications, abstractions and hyper-realities for gaming.

\*Prerequisite(s): CIT 360 or permission

\*Course Title to be added: Modeling/Simulation Dev      CIT 447      3 credit hours

\*Catalog Description: Course applies fundamentals of game development to educational games or simulations within a virtual world. Explores virtual worlds, basic scripting/modeling techniques and role-playing simulations to teach any concept.

\*Prerequisite(s): CIT 446 or permission

\*Course Title to be added: Mobile Game Development CIT 448 3 credit hours

\*Catalog Description: Students will work in teams to develop games for mobile devices. Emphasis on mobile development tools, techniques, cross platform development, and standard practices, using open-source software.

\*Prerequisite(s): CIT 413 or permission

\*Course Title to be added: Geologic Hazards & Resources GLY 100 3 credit hours

\*Catalog Description: Introductory course for non-science majors focusing on (i) Earth Hazards; causes, and mitigation, (ii) Climate change and its impacts; and (iii) Earth and Energy resources, their origin, development, and environmental impacts.

\*Prerequisite(s): None

\*Course Title to be added: Computational Physics PHY 340 3 credit hours

\*Catalog Description: Presents basic numerical methods used for solving complex physics problems and for the simulation of physical processes with C++ 2lec-2lab (PR: PHY 211 and PHY 213).

\*Prerequisite(s): PHY 211 and PHY 213 or equivalent

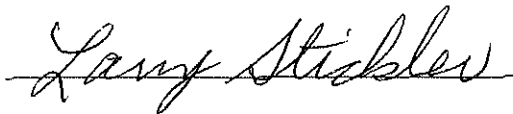
\*Course Title to be added: Medical Physics PHY 360 3 credit hours

\*Catalog Description: Physics principles applied to devise methods for diagnostic and treatment of the body. Will enhance writing skills and strategies 2lec-2lab (PR: PHY 203 or PHY 213 and PHY 204).

\*Prerequisite(s): PHY 203 or 213 and PHY 204

#### **FACULTY SENATE CHAIR:**

APPROVED BY THE  
FACULTY SENATE:



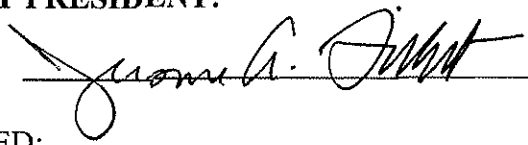
DATE: 4/15/2016

DISAPPROVED BY THE  
FACULTY SENATE:

DATE: \_\_\_\_\_

#### **UNIVERSITY PRESIDENT:**

APPROVED:



DATE:

4.26.16

DISAPPROVED:

DATE:

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